PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE of a collection of information unless it contains a valid OMB control number.

Officer the Paperwork Neduction Act of 1995, no persons an	e required to respond to a conection of	Thomason thiesa it comains a valid Onio consortionibe		
Substitute for form 1449A-B/PTO	Complete if Known			
	Application Number	10/827,121		
INEORMATION DISCLOSURE	Filing Date	April 16, 2004		
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter		
(c)	Group Art Unit	<del>-1631</del> 1656		
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Examiner Name	Carolyn L. Smith ALEXANDER		
JAN 1 1(496 as many sheets as necessary)	Attorney Docket Number	407J-981114US		
<u> </u>	Date Submitted	January 7, 2005		

TRAN	FULL		U.	S. PATENT DOCUMENTS		
Examiner Initials	Cite No.	U.S. Patent De Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appea
ALK	1	4,741,897		Andrews et al.	05-03-1988	
	2	4,766,121		Ellis et al.	08-23-1988	
	3	4,826,876		Ellis et al.	05-02-1989	
	4	4,910,305		Ellis et al.	03-20-1990	
	5	5,061,798		Emmett et al.	10-29-1991	
	6	5,116,828		Miura et al.	05-26-1992	
	7	5,171,671		Evans et al.	12-15-1992	
	8	5,284,999		Chin et al.	02-08-1994	
	9	5,312,732		Evans	05-17-1994	
	10	5,322,933		Davies et al.	06-21-1994	
	11	5,403,925		Ozato	04-04-1995	
	12	5,438,126		DeGroot et al.	08-01-1995	
1/	13	5,463,564	_	Agrafiotic et al.	10-31-1995	
A	14	5,466,861		Dawson et al.	11-14-1995	

			Foreign Patent Docu	ment		Date of Publication	Pages, Columns, Lines,	T
Examiner Initials	Cite No.	Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	ד
AK	15	EP	355,628			08-11-1989		
	16	wo	97/21993		Regents of the University of California	06-19-1997		
	17	wo	98/07435		Regents of the University of California	02-26-1998		
V	18	wo	98/57919		Regents of the University of California	12-23-1998		

Examiner Signature	lush	Date Considered	10/19/2006
			<del></del>

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

_	Under the Paperwork Reduction Act of 1995, no persons a	<del></del>	information unless it contains a valid OMB control number.	
1	Substitute for form 1449A-B/PTO	Complete if Known		
		Application Number	10/827,121	
	INFORMATION DISCLOSURE	Filing Date	April 16, 2004	
	STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter	
1		Group Art Unit	1631- 1656	
ı		Examiner Name	Carolyn L. Smith_ ALEXANDER KIM	
ı	(use as many sheets as necessary)	Attorney Docket Number	407J-981114US	
L		Date Submitted	January 7, 2005	

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal,	
Initials	No.	serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	19	ANDREA ET AL. (1979) "A model for Thyroid Hormone-Receptor Interactions." J. Med. Chem.	
		22: 221-232	
	20	APRILETTI ET AL (1988) "Large Scals Purification of the Nuclear Thyroid Hormone Receptor	+
	20	From Rat Liver and Sequence-specific Binding of the Receptor to DNA." J. Biol. Chem.	1
		263:9409-9417.	
	21	APRILETTI ET AL. (1995) "Expression of the rat α1 Thyroid Hormone Receptor Ligand	†
		Binding Domain in Escherichia coll and the Use of a Ligand-Induced Protein Expression	1
		and Purification 6:363-370	
	22	AU-FLIEGNER ET AL. (1993) "The Conserved Ninth C-Terminal-Heptad in Thyroid Hormone	7
		and Retinoic Acid eceptors Mediates Diverse Responses by Affecting Heterodimer but Not	
		Homodimer Formation." Mol Cell Biol. 13:5725-5737.	1
ļ	23	BANIAHMAD ET AL. (1995) "The τ4 Activation Domain of the Thyroid Hormone Receptor is	
1		Required for Release of a Putative Corepressor(s) Necessary for Thrnscriptional Silencing."	7
		<del>-Mol. Cell Biol</del> 15:76-86.	1
	24	BARETTINO ET AL. (1994) "Characterization of the Ligand-dependent Transactivation	١
		Domain of Thyroto Hormone eceptor." EMBO Journal 13:3039-3049.	4
	25	BARKER ET AL. (1960) "Thyroxine Antagonism by Partially Iodinated Thyronines and	+
		Analogues." Ann N.Y. Acad. Sci. 86:545-562.	+
	26	BECK-PECCOZ ET AL. (1994) "Nomenclature of Thyroid Hormone Receptor β-Gene	1
		Mutations in Resistance to Tyroid Hormone" July 10-11 1993 Cambridge, United Kingdom. J. Clin.Endocrinol Metab. 78:990-993.	
		BHAT E TAL. (1995) "Interaction of Thyroid Hormone Nuclear Receptor with	+
	27	Antibody: Characterization of the Thyrold Hormone Binding Site." Biochem. Biophys. Res	1
-		Commun. 210:464-471.	١
	28	BLAKE AND OATLEY (1977) "Protein-DNA and Protein-Hermone Interactions in prealburnin:	+
	20	a Model of the Thyroid Hormone Nuclear Receptor?" Nature 268:115-120.	ı
	29	BLAKE ET AL. (1978) "Structure of Prealbumin: Secondary, Tertiary and Quarternary	t
	23	Internations Determined by Fouries Refinement at 1 8 A" J. Mol. Biol. 121:339-356.	1
	30	BOLGER ET AL. (1980) Molecular Interactions Between Thyroid Hormone Analogs and the	†
		Rat Liver Nuclear Receptor." Journal of Biological Chemistry 255(21): 10271-10278.	١
	31	BOURGUET ET AL. (1995) "Crystal Structures of the Ligans-Binding Domain of the Human	1
		Receptor RXR-α." Nature 375:377-382.	
	32_	BRENT (1994) "The Moledulat Basis of Thyroid Hormine Action." New England Journal of	1
		Medicine 331:847-853.	
7	33	BRUNGER ET AL. (1987) "Crystallographic R Factor Refinement by Molecular Dynamics."	T
		Science 235:458-460.	T
			1

I Examiner		Data	
CAGITIME	1 10, 10, 11	Date	10/10/01
Signature	Surve B.	Considered	1 10714707 1
Signature		l Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B/PTO		Complete if Known			
	Application Number	10/827,121			
INFORMATION DISCLOSURE	Filing Date	April 16, 2004			
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter			
	Group Art Unit	1831 (656			
, , , , , , , , , , , , , , , , , , , ,	Examiner Name	Garolyn L. Smith Alexander Kim			
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US			
	Date Submitted	January 7, 2005			

ASANOVA ET AL. (1994) "Functional Evidence for Ligand-Dependent Dissociation of Thyroid Hormone and Retinoic Acid Heceptors from an Inhibitory Cellular Factor." Mol Cell. Biol. 14:5756-5765.  35 CAVAILLES ET AL. (1995, "Nuclear Factor RIP140 Modulates Transcriptional Activation by the Estrogen Receptor." EMBO Journal 14:3741-3751.  36 CHANG ET AL. (1997) "A Thyroid Hormone Receptor Coactivator Negatively Regulated by the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9040-9045.  37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Beceptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Mathads for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Crystallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6XHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purilication." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription autoristic verbs and Thyroid-Hormone Receptors." Proceedings of The National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1992) "Interval Province Receptor Cell foo:953-968-895.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Betinoic Aci
Biol. 14:5756-5765.  35 CAVAILES ET AL. (1995_"Nuclear Factor RIP140 Modulates Transcriptional Activation by the Estrogen Receptor." EMBO Journal 14:3741-3751.  36 CHANG ET AL. (1997) "A Thyroid Hormone Receptor Coactivator Negatively Regulated by the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9940-9045.  37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Beceptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in These Models." Acta Crystallograp A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purilication." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcriptions suppressio by verba and Thyroid-Hormone Receptor." Proceedings of this National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification by Steroid Hormone Receptor." Proceedings of this National Academy of Sciences USA 90:10668-10672.  45 DIETRICH ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptor: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:53
SS CAVAILLES ET AL. (1995. "Nuclear Factor RIP140 Modulates Transcriptional Activation by the Estrogen Receptor." EMBO Journal 14:3741-3751.  36 CHANG ET AL. (1997) "A Thyroid Hormone Receptor Coactivator Negatively Regulated by the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9040-9045.  37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Crystallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purilication." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor α." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1992) "Identification of a Conserved Antonomous Constitutive Activity Correlation Studies of in Vivo and iv Vitro Thyrominetie Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptor: Presence of a Conserved Antonomous Constitutive Activated Domain
the Estrogen Receptor." EMBO Journal 14:3741-3751.  36 CHANG ET AL. (1997) "A Thyroid Hormone Receptor Coactivator Negatively Regulated by the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9040-9045.  37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron-Deneity Maps and the Location of Errors in These Models." Acta Cystallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by verbA and Thyroid-Hormone Receptor or." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-860.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Belinoic Acid Receptor: Presence of a Curserved Antonomious Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor." Cel
CHANG ET AL. (1997) "A Thyroid Hormone Receptor Coactivator Negatively Regulated by the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9040-9045.  The Chief Lini et al. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone Beneceptors in Thyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by verba and Thyroid-Hormone Receptor a." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptor: Presence of a Conserved Antonomious Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor." Cell 60:953-962.
the Retinoblastoma Protein." Proceedings of the National Academy of Sciences USA 94(17): 9040-9045.  37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron-Deneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6XHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purilication." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by verbA and Thyroid-Hormone Receptor cc." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor." Cell 60:953-962.
9040-9045. 37 CHIELLINI ET AL. (1998) "A High-Affinity Subtype-Selective Agonist for the Thyroid Hermone-Receptor." Chemistry and Biology 5(6): 299-306. 38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763. 39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277. 40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Cyrstallography 4:7:110-119. 41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38. 42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387. 43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor α." Proceedings of the National Academy of Sciences USA 90:10568-10572. 44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033. 45 DIETRICH ET AL. (1997) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and in Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880. 46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomious Constitutive Activated Domain" EMBO Journal 13:5370-5382. 47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor." Cell 60:953-962.
Telection of Protein Crystallography. "A High-Affinity Subtype-Selective Agonist for the Thyroid Hormone Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Crystallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by verbA and Thyroid-Hormone Receptor u." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptore: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANIS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:869-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Receptor." Chemistry and Biology 5(6): 299-306.  38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor c." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptore: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:869-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
38 COLLABORATIVE COMPUTATIONAL PROJECT, N. 4. (1994) "The CCP4 Suite: Programs for Protein Crystallography." Acta Crystallogr DS5:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Doneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor α." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetio Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANIS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
for Protein Crystallography." Acta Crystallogr D50:760-763.  39 COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor α." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1992) "Identification of Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor." Cell 60:953-962.
COLLINGWOOD ET AL. (1994) Spectrum of Transcriptional, Dimerization, and Dominant Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor oc." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANIS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:869-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Negative Properties of Twenty Different Mutant Thyroid Hormone β-Receptors inThyroid Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron Deneity Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by verbA and Thyroid-Hormone Receptor α." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetie Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Hormone Resistance Syndrome." Mol Endocrinol 8:1262-1277.  40 COWAN ET AL. (1991) "Improved Mathods for Building Protein Models in Electron Density Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor c." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
40 COWAN ET AL. (1991) "Improved Methods for Building Protein Models in Electron-Density Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34- 38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor c." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863- 880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptore: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889- 895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor o." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Maps and the Location of Errors in These Models." Acta Cyrstallogr A 47:110-119.  41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor o." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
41 COWTAN (1994) Jouni CCP4 and ESF-EACBM Newslatter of Protein Crystallography 31:34-38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor c." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
38.  42 CROWE ET AL. (1994) "6xHis-Ni-NTA Chromatography as a Superior Technique in Recombinant Protein Expression/Purification." Methods in Molecular Biology 31:371-387.  43 DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor o." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptore: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
As DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor oc." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
As DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor oc." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
DAMM AND EVANS (1993) "Identification of a Domain Required for Oncogenic Activity and Transcription suppressio by v-erbA and Thyroid-Hormone Receptor o." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Transcription suppressio by v-erbA and Thyroid-Hormone Receptor v." Proceedings of the National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Correlation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
National Academy of Sciences USA 90:10668-10672.  44 DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  45 DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
DANIELIAN ET AL. (1992) "Identification of a Conserved Region Required for Hormone Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889- 895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Dependent Transcriptional Activation by Steroid Hormone Receptors." EMBO Journal 11:1025-1033.  DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
11:1025-1033.  DIETRICH ET AL. (1977) "Thyroxine Analogues. 23. Quantitative Structure-Activity Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Cerrelation Studies of in Vivo and iv Vitro Thyromimetic Activities." J. Med. Chem. 20:863-880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
880.  46 DURAND ET AL. (1994) "Activation Function 2 (AF-2) of Retinoic Acid Receptor and 9-cis Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain " EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889- 895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Retinoic Acid Receptors: Presence of a Conserved Antonomous Constitutive Activated Domain " EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889- 895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Domain" EMBO Journal 13:5370-5382.  47 EVANS (1988) "The Steroid and Thyroid Hormone Receptor Superfamily." Science 240:889-895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
895.  48 FAWELL ET AL. (1990) "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
Dimerization Activities in the Mouse Estrogen Receptor." Cell 60:953-962.
40 FORMAN AND SAMUELS (1990) "Interactions Among a Subfamily of Nuclear Hermans
Receptors: The Regulatory Zipper Model." Mol. Endocrinol 4:1293-1301.
60 GEWIRTH AMD SIGLER (1995) " The Basis for Half-Site Specificity Explored Through a Non-
Cognate Steroid Receptor-DNA Complex." Nature Structural Biology 2:386-394.
51 GLASS (1994) "Differential Recognition of Target Genes by nuclear Receptor Monomers,
Dimers, and Heterodimers, " <i>Enocr. Rev.</i> 15:391-407.
Examiner Date Date
Signature Considered Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

No paper copies

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B/PTO		Complete if Known			
	Application Number	10/827,121			
INFORMATION DISCLOSURE	Filing Date	April 16, 2004			
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter			
	Group Art Unit	1831- 16.56			
	Examiner Name	Garolyn L. Smith Alexander KIM			
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US			
	Date Submitted	January 7, 2005			

52	HAJDUK ET AL. (1997) "Discovering High Affinity Ligands for Proteins." Science 278:497-	<del></del>
	499.	
53		<del>     </del>
	Binding Domain of the Thyroid Hormone Receptor " J.Clin. Invest. 94:607-615.	
54	()FFD\/ FT A1	
134	Nuclear Receptors." Nature 387:733-736.	
55	LIGHT GUIDEDO ET AL TIGODO EL A	
- 35	Hormone Receptors Isoforms Depend Upon Their Distinct Amino Termini." J. Biol. Chem.	
	270(24):14274-14280.	
58	HORWITZ (1992) "The Molecular Biology of RU486." Endocrine 13:146-163	
	JACKSON (1997) "Contributions of Protein Structure-based drug Design to Cancer	
57	Chemotherapy," Seminats on Oncology 24(2): L164-172.	
	TANCADUZ AND IZINA ZARRA NO	$\vdash$
58	of Proteins." J. Appl. Crystallogr 24:409-411.	
59	JANKNECHT (1991) "Rapid and Efficient Purification of Native Histidine-Tagged Protein	$\vdash$
29	Expressed by Recombinant Vaccinia Cirus." Proceeding set the National Academy of	├-
,	Sciences USA 88:8972-8976.	
60	JONES ET AL. (1991) "Improved Methods for Building Protein Models in Electron Density	
100	Maps and the Location of Errord in These Models." <i>ACTA Cryst.</i> 47:110-119.	<del>├</del> ─
61	JONES ET AL. (1996) "Structure-Based Design of Lipophilic Quinazoline Inhibitors of	$\vdash$
	Thymidylate Synthase." J. Med. Chem. 39(4): 904-917.	<del>                                     </del>
_ 62	JORGENSEN (1978) "Thyroid Hormones and Analogs IN 6 Hormonal Proteins and Peptides.	
	" Thyroid Hormones 150-151.	<del> </del> -
63	JORGENSEN (1978) "Thyroid Hormones and Analogs." Hormonal Peptides and Proteins	
<del></del>	107-204 (Academic Press, New York,)	
64	JORGENSEN ET AL. (1976) "The Nature of the thyroid Hormone Receptor." Thyroid	
	Hesearch 378:303-306.	
65	KABSCH (1993) "Automatic Processing of Rotation Diffraction Data From Crystals of Inially	
	Unknown Symetry and Cell Constans." Appl. Crystallogr 26:795-800.	
66	KABSCH AND SANDER (1983) "Dictionary of Protein Secondary Structure: Pattern	
	Recognition of Hydrogen-Bonded and Gemetrical features." Biopolymeres 22:2577-2637.	<b>-</b>
67	KAKIZAWA ET AL. (1997) "Ligand-dependent Heterodimerization of Thyroid Hormone	
	Receptor and Retinoid X Receptor." J. Biol. Chem. 272(38): 23799-23804.	<del></del>
68	KEDIEL ET AL. (1994) "Different Agenist and Antagonist Induced Conformational Changes in	
	Retinoic Acid Receptors Analyzed by Protease Mapping." Mol Cell Biol 14:287-298.	
69	LASKOWSKI ET AL. (1993) "Procheck" a Program to Check the Sterochemical Quality of	
	Protein Structures." J. Appl. Crystallogrl 26:283-291.	
70	LATHAM FT AL. (1981) "Development of Support Matrices for Affinity Chromatography of	
	Thyroid Horminr Receptors." J. Biol Chem. 256:12088-12093.	
71	LAUDET (1992) "Evolution of the Nuclear Receptor Gene Superfamily." EMBO Journal	]
	11:1003-1013.	<del> </del>

Examiner Signature	Slhica	Date Considered	10/1	9/06
				<del>/</del>

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 4 of 7

Page 7

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B/PTO	Complete if Known		
	Application Number	10/827,121	
INFORMATION DISCLOSURE	Filing Date	April 16, 2004	
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter	
	Group Art Unit	4 <del>631 [</del> 656	
	Examiner Name	Carolyn L. Smith Alexander Kim	
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US	
•	Date Submitted	January 7, 2005	

72	LEDOUARIN ET AL. (1995) "The N-Terminal Part	of TIF1, a Putative	Mediator of the Ligand-	
	Dependent Activation Function " EMBO Journal	14:2020-2033.		<del>  -</del> -
73	LEE (1995) "Interaction of Thyroid-Hormone Recen	otor with a Conserv	ed Transcriptional	
1.0	Mediator." Nature 374:91-94.			<b>├</b> ──┼─
74	LEE ET AL. (1995) "Two Classes of Proteins Depe	ndent on Either the	Presence or Absence	
	of thyroid Hermone for Interaction with the Thyroid			
]	9:243-254.			
75	LEESON ET AL. (1989) "Selective Thyromimetics."	" J. Med. Chem 32	320-336	1-1
,				┼├-
76	LEESON ET AL. (1989) "Thyroid Hormone Analog	ues." J. Med. Chen	n. 31:37-54.	
77	LEITMAN ET AL. (1991) "Identification of a Tumor		esponsive Element in	
	the Tumor Necrosis Factor $\alpha$ Gene." J. Biol Chem.			1 1
78	LENG ET AL. (1993) "Ligand-Dependent Conformation of the Length of the L	ational Changes in	hyroid Hormone and	$\Box$
	Retinoic Acid Receptors" J Steroid. Biochem. Mo	lec. Biol. 46:643-66	51.	1
79	LENG ET AL. (1995) "Mouse Retinoid X Receptor	Contians a Separb	e Ligand-Binding and	
1 <del>- 1/3</del>	Transactivation Domain in its E Region." Mol. And	Cellular Biol. 15:25	5-263.	┼╾┼
80	LEWIS AND WALLBANK (1987) "Formation of Qui	nol Ethers Using ((	Diacetoxyindo)	<del>   </del>
1	Benzene." Synthesis 1103.	nor Euroro obing to	Jidoctox y lodo)	<del>├</del>
	LIN ET AL (1991) "An Essential Role of Domain D	in the Hormone-Ri	nding Activity of Human	+
	β1 Thyroid Hormone Nuclear Receptor." Mol. Endo	orinol 5:495 402	nding Activity of Human	<del>                                     </del>
	LIN ET AL. (1997) "A conformatinal Switch in Nucle		stans in the shired in	+
82	Coupling Hormone Binding to Corepressor Release	ar normone Rece	DIORS IS INVOIVED IN	
	LLEWASCTET AL (1994) #0000 a decide 505/6	ODAN	7(1): 6131-6138	<del>-</del>
8.3	LLEYWEGT ET AL (1994) "OOPS-a-dasy " FSF/(	CP4 Newsieπer pr	. 20-24.	<del>  -</del>
04	LUISI ET AL. (1991) "Grystallographic Analysis of t	he Interaction of th	a Glucocorticoid	╪╼╪╌
84_	Receptor with DNA.: <i>Nature</i> 352:497-505.	ne interaction of th	e Giucocorticolu	
<del>-   -   -   -   -   -   -   -   -   -  </del>	MCGRATH ET AL. (1989) "Rapid Preparation of Pr	rataina for Caratallis	rotion Tiple "	+
85	Biotechniques 7:246-247.	otems for Crystalli	zation riais.	<b>├</b>
		ambia Chardia Chb	Liera I Die die	$\vdash$
86	MCGRATH ET AL. (1994) "Preliminary Crystallagra			
	Domain of the Thyroid Hormine Receptor Complex	<u>ea with Trilogothyr</u>	onine." J. Mol. Biol.	$\vdash$
	237:236-239.	<del></del>		$\perp \perp$
87	MCREE ET AL. (1993) Practical Protein Crystallog	<i>raphy</i> Academic Pr	ess, N.Y. Chapters 1-3.	
<del></del>	MEIER ET AL (1992) "Veriable Transprintional Ast	de da	- J	
88	MEIER ET AL. (1992) "Variable Transcriptional Act	ivity and Ligand Bi	noing of Mutant B1 3. 5.	
<u> </u>	3'-Trilodothyronine Receptors " Mol Endocrinol (	5:248-258.	· · · · · · · · · · · · · · · · · · ·	
89	MONACO ET AL. (1995) "Structure of a Complex of	or I wo Plasma Pro	eins: Transthyretin and	1 1
	Retinol-Binding Protein." Science 268:1039-1041.	<del> </del>		
90	MURSHUDOV ET A. (1996) "Application of Maxim	un Liklehood Metho	ods for Macromolecular	
	Refinements." Refinement of Protein Structures pp	. 1-12.		
91	NAVAZA (1994) "AmoRe: an Automated Package	ior Molecular Repla	cement." Acta	
	Crystallographica Section A-Funamentals for crysta			
92	NICHOLLS ET AL. (1991) "Protein Folding and Ass	sociation: Insites Fr	om the Interfacial and	
L	Thermodynamic Properties of Hydrocarbons." Prot	eins 11:281-296.		
Examiner	^	Date		
Signature	Shin	Considered	10/19/06	
		1		_ 1

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A-B/PTO	Complete if Known			
	Application Number	10/827,121		
INFORMATION DISCLOSURE	Filing Date	April 16, 2004		
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter		
	Group Art Unit	1631- 1656		
	Examiner Name	Carolyn L. Smith Alexauder Kim		
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US		
	Date Submitted	January 7, 2005		

	T	O'DONNELLET AL (1001) "Thyroid Harmone December Mutations that Interface with	_
	93	O'DONNELL ET AL. (1991) "Thyroid Hormone Receptor Mutations that Interfere with Transcriptional Activation Also Interfere with Receptors." Mol Endocrinol 5:94-99.	
	94	ONATE ET AL. (1995) "Sequence an dcharacterization of a Coactiveor for the Steroid	
<u> </u>	-	Hormone Receptor Superfamily." Science 270-1354-1357.	
	95	OTWINOSKI (1991) "Maximum Likelihood Refinement of Heavy Atom Parameters."	
<u> </u>	ļ	Proseedings of the CCP4 Study Weekend: Data Collection and Processing 80-86.	
	96	OTWINOSKI (1993) "Osillation Data Reduction Program." Proseedings of the CCP4 Study	
<u></u>		Weekend: Data Collection and Processing 56-62.	
	97	RASTINEJAD ET AL. (1995) "Structural Determinats of Nuclear Receptor Assembly on DNA	
		Direct Repeats." Nature 375-203-211.	
	98	RAYNAUD ET AL. (1986) "The Design and Use of Sex-Steriod Antagonist." J. Steriod	
		Biochem 25:811-833.	
	99	REFETOFF ET AL. (1993) "The Syndromes of Resistance to Thyroid Hormone." Endocr. Rev.	
		14:248-399.	
	100	RIBEIRO ET AL. (1992) "Thyroid Hormone Alters in Vitro DNA Binding of Monomers and	
		dimers of Thyroid Hormone Receptors." Mol. Endocrinol. 8:1142-1152	
	101	RIBEIRO ET AL. (1995) "The Molecular Biology of Thyroid Hormone Action." Ann. N.Y. Acad.	
<b></b>		Sci. 758:366-389.	
	102	RIBEIRO ET AL. (1995) "The Nuclear Hormone Receptor Gene Superfamily." Annu. Rev.	-
		Med.46:443-453.	
	103	RIBEIRO ET AL. (1998) "Mechanism of Thyroid Hormone Action: Insights from X-Ray	
<b></b>		Crystallographic and Functional Studies." Recent Progress in Hormone Research 53:351-394.	
	104	ROBSSEAU ET AL. (1972) "Glucocorticoid Receptors: Relations Between Steroid Binding	
		and Biological Effects." J. Mo. Biol. 67:99-115.	_
	105	SAATCIOGLU ET AL. (1993) "A Conserved C-Terminal Sequence that is Deleted in v-ErbA is	
·		Essential for the Biological Activities of c-ErbA (The Thyroid Hormine Receptor): " Mol. Cell.	
		Biol. 13:3675-3685.	~
	106	SCHWABE ET AL. (1993) "The Crystal Structure of the Estrogen Receptor DNA-Binding	
_		Domain Bound to DNA: How Receptors Discriminate Between Their Response Elements."	
_		Cell 75:567-578.	
	107	SEIELSTAD ET AL. (1995) "Molecular Characterization by Mass Spectrometry of the Human	
		Estrogen Receptor Ligand-Binding Domain Expresses in Escherichia coli." Molecular	
		Endocrinology 6:647-658.	
	108	SELMI AND SAMUELS (1991) "Thyroid Hormine Receptor/ and v-erbA." J. Biol. Chem	
		266:11589-11593.	
	109	SHIBATA ET-AL: (1997) "Role of Co-activators and Co-repressors in the Mechanism of	
		Steroid/Thyroid Receptor Action." Recent Progress in Hormone Research 52:141-164.	
-	110	STEPHEN ET AL. (1992) "Reduction of Cardivascular and Thyroxine-Suppressing Activities	
	'''	of L-t3 by Liver Targeting with Cholic Acid." Biochem. Pharmacol. 13:1969-1974.	
	111	SWAFFIELD ET AL. (1995) "A Highly Conserved ATPase Protein as a Mediater Between	
	<u> </u>	Acidic Activation Domains and the TATA-Binding Protein." Nature 274:88-91.	
'		= aaa.a.a.a.a.a.a.a.a.a.a.a.a.a	
	<u> </u>		

Examiner	e la	Date	1 / - 6	
Signature	san	Considered	(0/19/)6	
		<del></del>		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE uired to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B/PTO	<del>- , </del>	Complete if Known		
,	Application Number	10/827,121		
INFORMATION DISCLOSURE	Filing Date	April 16, 2004		
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter		
	Group Art Unit	<del>1631-</del> 1656		
	Examiner Name	Carolyn L. Smith Alexander Kim		
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US		
	Date Submitted	January 7, 2005		

	112	TAGAMI ET AL. (1997) "Nuclear Receptor Corepressors Activate Rather that Suppress Basal Transcription of Genes that are Negatively Regulated by Thyroid Hormone." Mol. Cell Biol.	
t		17(5): 2642-2648.	
ĺ	 113	TONEY ET AL. (1993) "Conformational Changes in Chicken Throid Hormone Receptors α1 Induces by Binding to Ligand or to DNA." Biochemistry 32:2-6.	
1	114	TSAI AND O'MALLEY (1994) "Molecular Mechanism of Action of Steroid/Thyroid Receptors Superfamily Members." Ann Rev. Biochem. 63:451-486.	
7	115	WAGNER ET AL. (1965) "A Structural Role for Hormone in the Thyroid Hormone Receptor." Nature 378(6558): 870-697.	
	116	WESTERFIELD ET AL. (1965) "New Assay Procedures for Thyroxin Analogs." Endocrinology 77:802.	-
	117	YOKOYAMA ET AL. (1995) "Synthesis and Structure-Activity Relationship of Oxamic Acid and Acetic Acid Derivatives Related to L-Thyronine." J. Med. Chem. 38:695-707.	
	 118	ZENKIE ET AL. (1990) "v-erbA Oncogene Activation Entails the Loss of Hormone-Dependent Regulator Activity of c-erbA." <i>Cell</i> 61:1035-1049.	
1	119	ZHU ET AL. (1997) "The Differential Hormine-dependent Transcriptional Activation of Thyroid Hormone Receptor Isoforms is Mediated by Interplay of their Domains." J. Biol. Chem.	
1		Promone Receptor Isoforms is Mediated by Interplay of their Domains. <sup>a</sup> J. Biol. Chem. 272(14): 9048-9054.	

No paper copies

Examiner Signature	Sthin	Date Considered	10/1	9/06
				<i></i>

PTC/SB/08A (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
o a collection of information unless it contains a valid OMB control number. aperwork Reduction Act of 1995, no persons are Substantial Substantial ne for form 1449A-B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

С	omplete if Known
Application Number	10/827,121
Filing Date	April 16, 2004
First Named Inventor	John D. Baxter
Group Art Unit	1631
Examiner Name	Carolyn L. Smith
Attorney Docket Number	407J-981114US
Date Submitted	April 20, 2006

	U.S. Patent Doc	U.S. Patent Document		Date of Publication of	Pages, Columns, lines,
Cite No.	Number	Kind Code (if known)	Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appeal
				-	
	,				
-				110111001	14011001

				FOREIGN	N PATENT DOCUMEN			
		Fo	reign Patent Docu	ment		Date of Publication	Pages, Columns, Lines,	l _
Examiner Initials	Cite No.	Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	ľ
						-		
	-							
								T
			<del></del>	<u> </u>				╁
,,								↓_

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т
AK	1	ANDREWS ET AL. (1989) "Morpheus: a conformation-activity relationship and receptor modeling package." Journal of Molecular Graphics, 7: 138-295.	
AK	2	APRILETTI ET AL. (1998) "Molecular and Structural Biology of Thyroid hormone Receptors." Clinical and Experimental Pharmacology and Physiology, 25(Suppl.): S2-S11.	
M	3	GOLDSTEIN ET AL. (1993) "Three-dimensional model for the hormone binding domains of steroid receptors." <i>Proceedings of the National Academy of Sciences, USA</i> , 90: 9949-9953.	
M	4	HERRMANN AND PARKER (1961) "Effect of Thyroxine Analogues on Serum and Tissue Cholesterol in the Rat." Archives Internationales de Phamacodynamie et de Therapil, 133: 284-295.	
All	5	NOMURA ET AL. (1996) "Amino Acid Substitutions of Thyroid Hormone Receptor-β at Codon 435 with Resistance to Thyroid Hormone Selectively Alter Homodimer Formation." The Endocrine Society, 137(10): 4082-4046.	

	^		
Examiner	1/11//	Date	10/19/2006
Signature	Summer	Considered	10/11/

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE o a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to respond to

Substitute for form 1449A-B/PTO	Complete if Known		
	Application Number	10/827,121	
INFORMATION DISCLOSURE	Filing Date	April 16, 2004	
STATEMENT BY APPLICANT	First Named Inventor	John D. Baxter	
	Group Art Unit	1631- 1656	
( )	Examiner Name	Carolyn L. Smith Alexander Kim	
(use as many sheets as necessary)	Attorney Docket Number	407J-981114US	
	Date Submitted	January 7, 2005	

	Г	U.S. Patent Document		S. PATENT DOCUMENTS  Name of Patentee or Applicant of	Date of Publication of	Pages, Columns, lines,
Examiner Initials	Cite No.	Number	Kind Code (if known)	Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appeal
	AA	5,298,429		Evans et al.	03-29-1994	
	AB	5,307,287		Cramer III et al.	04-26-1994	
	AC	5,459,077		Moore et al.	10-17-1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Office	Foreign Patent Docum  Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т

		OTHER PRIOR ART. MON PATENT LITTRATURE		
ļ	1	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	The first of the desire the country the country the country the desire the desire the first of the feeling book, madazine, fourth			
	AD	BOURGUET ET AL. (1995) "Purification, functional characterization and crystallization of the ligand binding domain of the retinoid X receptor." <i>Protein Expression and Purification</i> 6: 604-608.		
AK	AE	CARPRIK AND GARIÉPY (1993) "The Escherichia coli heat-stable enterotoxin is a long-lived superagonist of guanylin." <i>Infection and Immunity</i> 61(11): 4710-4715.		
AK	AF	CHATURVEDI ET AL. (1985) "Synthesis and biological evaluation of the superagonist [N alpha-chlorotriazinlaminflourescein-Ser1, Nle4, D-Phe7]-alpha-MSH." Journal of Pharmaceutical Sciences 74(3):237-240.		
sk	AG	JORGENSEN ET AL. (1974) "Thyroxine Analogs. 22. Thyromimetic Activity of Halogen-Free Derivatives of 3, 5-Dimethyl-L-thyronine." <i>Journal of Medical Chemistry</i> 17(4): 434-439.		
AK	АН	LOHIYA ET AL. (1991) "Experience with a potent LH-RH agonist, buserelin, alone and in combination with testosterone for antispermatogenic activity, reversibility and toxicity in langur monkey." Contraception 43(2):187-200.		
SK	Al	NESTOR ET AL. (1982) "Synthesis and biological activity of some very hydrophobic superagonist analogues of luteinizing hormone-releasing hormone." <i>Journal of Medicinal Chemistry</i> 25(7):795-801.		
SK	AJ	PUDDICOMBE ET AL. (1996) "The Interaction of an epidermal growth factor/transforming growth factor alpha tail chimers with the human epidermal growth factor receptor reveals unexpected complexities." <i>Journal of Biological Chemistry</i> 271(48): 30392-30394.		
AK	AK	ROBINSON ET AL. (1995) "Mass Sepctrometric and biological characterization of guinea-pig cortictropin." Regulatory Peptides 56:89-97.		
-	AL	SAGGIO ET AL. (1997) "Adenvirus-mediated gene transfer of a human IL-6 antagonist," <i>Gene Therapy</i> 4:839-845.		
SK	АМ	SAWYER ET AL. (1982) "[half-Cys4, half-Cys10]-alpha-melanocyte-stimulating hormone: a cyclic alpha-melanotrophic exibiting superagonist biological activity." <i>Proceedings of the National Academy of Science USA</i> 79:1751-1755.		

Examiner		Date	
Signature	Slinklym		10/19/06
		Considered	10///

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.